

STATE BANK OF INDIA					
ESTIMATE FOR ELECTRICAL WORKS OF NEW AC INSTALLATIONS AT BANK'S HOLIDAY HOME, BENGALURU					
Sl No	Particulars : Detailed Specifications	Unit	Quantity	Rate	Amount
<b>PART-A : ELECTRICAL WIRING WORKS</b>					
					0
1	<b>BUILDING MAIN PANEL :</b> Supply and installation of 160A, FP, 36KA, TMD based MCCB (ABB make)with -suiting to the existing spreder, and all accessories to fit in the existing panel - 1set .	Set	1		
2	ACDB – (VTPN - DB): Supply, Installation, testing and Commissioning of Double door (4-way) VTPN MCB VDB consisting of the following.  <b>Double door 6-way VTPN MCCB VDB Incomer</b> 160A, 25kA , 4P MCCB with spreader 1 set Outgoings : 40A, TP MCB (C-series) 1 nos to ODUs 32A, TP MCB (C-series) 1 nos to ODUs 32A, SP MCB (C-series) 11 nos to IDUs ACs 16A, SP MCB (C-series) 1 nos to 1Tr,1.5Tr Acs 160A COPPER Bus-bar for 3 phase 6 way Complete with all inter connections.	Set	1		
3	Supply and installation of suitable weather proof enclosure for local control of 3ph/1ph air conditioners.  a. Supply and installation of 20/32A DP MCB in suitable weather proof enclosure(IP65) for local control of 3ph/1ph air conditioners.	Set	10		
4	<b>CABLE LAYING AND TERMINATIONS:</b> Supply, laying and dressing of the following size of 1.1 KV grade <b>XLPE</b> insulated armoured cable with aluminium conductor concealed or clamped on wall / ceiling / trench / cable tray if necessary.  iii) 4x70 Sq.mm AYFY iv) 4x50 Sq.mm AYFY vii) 3x16 Sq.mm AYFY viii) 3x10 Sq.mm AYFY	m	0		
		m	120		
		m	185		
		m	150		
5	End termination of the following size of cables using flange type cable glands and heavy duty tinned aluminium crimping type cable sockets including gland earthing.  iv) 4x50 Sq.mm AYFY vii) 3x16 Sq.mm AYFY viii) 3x10 Sq.mm AYFY ix) 3x6 Sq.mm AYFY	set	4		
		set	10		
		set	10		
		set	0		
6	<b>GI - CABLE TRAY:</b> Supply and installation of medium duty GI Ladder type cable tray of following size. (Rate shall be inclusive of all bends supports,etc. And supports to be not more than 1000mm apart)  i) 100mmx50mm(WxH)	m	40		

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	ii) 150mmx50mm(WxH)	m	50		
	iii) 300mmx50mm(WxH)	m	20		
7	<b>EARTHING AND LIGHTING PROTECTION</b>				
a.	Supply and providing ISI pipe earthing as per IS 3043 with 2.5m long 40mm dia B class G.I. pipe providing GI clamp at the top of the GI pipe test joint, filling around the GI pipe at the radius of 15cm with homogeneous mixture of charcoal, common salt and river sand up to height of 2.5m from the bottom and the rest of the portion with excavated soil, providing brick work masonries, plastering, fixing cast iron cover of 30x30cm size etc. complete.	Set	1		
b.	Making of Copper plate(600mmx600mmx3mm) Earth-pit as per IS 3043 complete with charcoal, funnel set etc., including making of 450 x 450mm brick masonry chamber with CI / stone / fabricated / RCC cover with lifting handles stone / fabricated / RCC cover with lighting handles etc., complete as required.	Set	0		
c.	EARTH CONDUCTORS Supply and laying of the following size of bare copper conductor along with above cables, for interconnections between panels, DBs, change over switches etc.and also for interconnections between earth pits. i) No.10 SWG	m	70		
d.	Supply and laying of 2 X No. 10 SWG copper conductor through 20mm PVC conduit for UPS earthing.	m	0		
e.	Supply and laying of 25x3mm GI strip/tape – the strip shall be insulated - shall use UPVC conduits while crossing the wall etc.	m	0		
h.	Supply and providing tinned copper earth bench using 25 x 3 mm copper strip (20 Cm in length)	Set	1		
8	<b>WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC :</b> Point Wiring: Supply and wiring for light /fan/exhaust fan/calling bell/mirror lamp/ bulkhead light/ wall fans etc . With 3plate ceiling rose and by using 3x1.5 sqmm. (1.5sqmm) . PVC insulated copper conductor wire in 20mm dia 1.5mm thick rigid PVC conduit , controlled by 5A modular switches with provision for modular type Ceiling fan regulator on separately fabricated MS Box. The M.S box should be earthed properly. One way point.				
a.	Single light point controlled by a 6 Amp switch.	Nos	3		
b.	each Secondary light point connected to the single light points controlled by a switch.	Nos	1		
9	<b>CIRCUIT WIRING:</b> Supply and wiring wall / floor etc. / recessed / surface as per colour code with 3 runs of 1.1KV grade 1.5 Sqmm PVC insulated flexible copper wire for phase neutral and earth conductor with standard colour coding, through ISI marked 20mm dia(medium) rigid PVC conduit with all accessories. The rate includes the cost of complete wiring from switch box to switch box. THE WIRING SHALL BE DONE CONSEALED .	m	20		
10	Same as above but with 3 x 2.5 Sq.mm PVC Insulated copper wire(FRLS Type).(for lighting main circuit, 15A plug points & UPS point wiring ) (power circuit to VRF IDUs)	m	15		

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11	PVC CONDUITS:Supply and Fixing of following sizes of FRLS PVC conduit along with the accessories in surface in ceiling/ recess in walls, flooring including cutting the wall / floor etc., and making good the same in case of recessed conduit as required.				
a.	32mm dia. Conduit (Medium)	m	9		
	PART - A TOTAL AMOUNT IN FIGURES				
	All rates quoted shall be excluding GST				